

Title (en)

Apparatus for filling containers with a specified amount of liquid.

Title (de)

Vorrichtung zum Befüllen von Behältern mit einer bestimmten Menge einer Flüssigkeit.

Title (fr)

Dispositif pour remplir des récipients avec une quantité spécifique de liquide.

Publication

EP 0545483 A1 19930609 (EN)

Application

EP 92203665 A 19921127

Priority

JP 31694591 A 19911129

Abstract (en)

An apparatus for filling a plurality of kinds of containers C having different heights with a liquid in specified amounts corresponding to the respective different heights of the containers C has a filling nozzle 31 disposed above a path of transport formed by a container conveyor 11, and a lifter 32 for moving the container C to be filled upward from the conveyor 11 and downward over a stroke length corresponding to the height of the container C. The lifter 32 comprises a container pushing-up vertical lift rod 42 disposed below the filling nozzle 31 and having a container support 41 at its upper end, a container depressing lift rod 44 extending beside the vertical lift rod 42 upward beyond the level of the upper end of the vertical lift rod 42 and having a container holder 45, and means for adjusting a difference in level between the container support 41 and the container holder 45 so that the level difference become approximately equal to the height of the container C to be filled. <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

B65B 43/59 (2013.01 - EP US); **B65B 59/00** (2013.01 - EP US); **B65B 59/003** (2019.04 - EP US)

Citation (search report)

- [A] EP 0356149 A1 19900228 - ELOPAK SYSTEMS [CH]
- [A] US 2614740 A 19521021 - MOSER FRANK T

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